

Name _____

Site _____

Name _____

Name _____

Invention

AVUHSD STEM Expo
Judging Evaluation Form



General Requirements Evaluation*

Presentation Display		Log Notebook	
Attractive, easy to read, and layout is in appropriate logical order	ND 1 – 2 – 3 – 4 – 5	Format: Log notebook is made of sturdy materials, numbered pages, and all entries dated and written legibly in ink.	ND 1 – 2 – 3 – 4 – 5
Shows project in appropriate detail for understanding by audience	ND 1 – 2 – 3 – 4 – 5	Evidence of Planning: background research, show process of development, description of problems and solutions, research notes, data tables and analysis of data	ND 1 – 2 – 3 – 4 – 5
Student Presentation			
Professionalism / Delivery	ND 1 – 2 – 3 – 4 – 5		
Content Knowledge / Organization	ND 1 – 2 – 3 – 4 – 5		

Invention Category Evaluation**

Display and Documentation		Marketing / Promotional material (if present)	
The invention, its use and the benefits associated are clearly described.	ND 1 – 2 – 3 – 4 – 5	Visual marketing material design is well prepared and presented. Promotional copy (text) is prepared and appropriate for invention.	ND 1 – 2 – 3 – 4 – 5
Target audience or users of invention are identified and have a valid need.	ND 1 – 2 – 3 – 4 – 5	Material is appropriate for target audience	ND 1 – 2 – 3 – 4 – 5
Materials required to build the invention are described and specified.	ND 1 – 2 – 3 – 4 – 5		
Original design, development, and analysis process explained and/or documented, including descriptions of any problems encountered and their solutions.	ND 1 – 2 – 3 – 4 – 5	Other considerations specific to category	
Construction process clearly defined by drawings and/or descriptive text	ND 1 – 2 – 3 – 4 – 5	The invention addresses a real-world problem in a practical way	ND 1 – 2 – 3 – 4 – 5
Research into competing/similar products is presented and complete.	ND 1 – 2 – 3 – 4 – 5	Further steps beyond creation of invention have been initiated or taken (e.g. patents, market research, public presentation, etc.)	ND 1 – 2 – 3 – 4 – 5
Prototype or 'Mock-up'			
Prototype is relevant and complete enough to show the important aspects of the invention and is well designed	ND 1 – 2 – 3 – 4 – 5		
Parts and components of prototype are described, and their function is identified.	ND 1 – 2 – 3 – 4 – 5		
Prototype is well designed and constructed.	ND 1 – 2 – 3 – 4 – 5		

Additional Notes and Comments

Additional Items for Consideration

Safety Considerations	
Team/External Considerations	
Artistry	

ND: Not Demonstrated, 1: Beginning, 2: Developing, 3: Average, 4: Accomplished, 5: Advanced
(*See General Entry Rules and Requirements for further information, ** See Category Description for further information)